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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete If Known</b>	
				Application Number	10/734,731
				Filing Date	December 15, 2003
				First Named Inventor	Eberhard WEIHE
				Art Unit	1647
				Examiner Name	C. J. Nichols
Sheet	1	of	1	Attorney Docket Number	029310.52995US

[illegible]

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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PTO/SB/08a (08-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary) Sheet 1 of 7		<b>Complete if Known</b>	
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		First Named Inventor	Eberhard Weihe
		Art Unit	1647
		Examiner Name	C. J. Nichols
		Attorney Docket Number	029310.52995US

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	AA	US- 5,262,311	11-16-1993	Arthur B. Pardee et al.	
		US-			

FOREIGN PATENT DOCUMENTS						
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup>
		Country Code <sup>2</sup> -Number <sup>2</sup> -Kind Code <sup>2</sup> (if known)				
	AB	WO 96/34288	10-31-1996	Eli Lilly and Company		

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
SS	AC	DAVID BAUER ET AL., "Identification of Differentially Expressed mRNA Species by an Improved Display Technique (DDRT-PCR)", Nucleic Acids Research, 1993, pp. 4272-4280, Vol. 21, No. 18, Oxford University Press	
SS	AD	CHIH-CHENG CHEN ET AL., "A P2X Purinoceptor Expressed by a Subset of Sensory Neurons", Letters to Nature, October 5, 1995, pp. 428-431, Vol. 377	
SS	AE	C.E. FIALLOS-ESTRADA ET AL., "Long-Lasting Increase of Nitric Oxide Synthase Immunoreactivity, NADPH-Diaphorase Reaction and c-JUN Co-Expression in Rat Dorsal Root Ganglion Neurons Following Sciatic Nerve Transection", Neuroscience Letters, 1993, pp. 169-173, 150, Elsevier Scientific Publishers Ireland Ltd.	
SS	AF	V. HÖLLT ET AL., "Prodynorphin Gene Expression is Enhanced in the Spinal Cord of Chronic Arthritic Rats", Neuroscience Letters, 1987, pp. 90-94, Vol. 73, Elsevier Scientific Publishers Ireland Ltd.	

Examiner Signature		Date Considered	6/16/05
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				Attorney Docket Number	029310.52995US

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SS	AG	JI RU-RONG, "Expression of $\mu$ -, $\delta$ -, and $\kappa$ -Opioid Receptor-Like Immunoreactivities in Rat Dorsal Root Ganglia after Carrageenan-Induced Inflammation", The Journal of Neuroscience, December 1995, pp. 8156-8166, Vol. 15, No. 12, 1995, Society for Neuroscience			
SS	AH	KEIKO MAEKAWA, "Expression of $\mu$ - and $\kappa$ - but not $\delta$ -, Opioid Receptor mRNAs is Enhanced in the Spiral Dorsal Horn of the Arthritic Rats, Pain, 1995, pp. 365-371, Vol. 64, Elsevier Science B.V.			
SS	AI	ABDI A. MOHIT ET AL., "p49 <sup>3F12</sup> Kinase: A Novel MAP Kinase Expressed in a Subset of Neurons in the Human Nervous System", Neuron, January 1995, pp. 67-78, Vol. 14, Cell Press			
SS	AJ	M.A. RUDA ET AL., "In situ Hybridization Histochemistry and Immunocytochemistry Reveal an Increase in Spinal Dynorphin Biosynthesis in a Rat Model of Peripheral Inflammation and Hyperalgesia", Neurobiology, January 1988, pp. 622-626, Vol. 85, Proc. Natl. Acad. Sci., USA			
SS	AK	VALERIE M.K. VERGE ET AL., "Marked Increase in Nitric Oxide Synthase mRNA in Rat Dorsal Root Ganglia after Peripheral Axotomy: In situ Hybridization and Functional Studies", Neurobiology, December 1992, pp. 11617-11621, Vol. 89, Proc. Natl. Acad. Sci., USA			
SS	AL	ANDREW F. WILKS, "Two Putative Protein-Tyrosine Kinases Identified by Application of the Polymerase Chain Reaction", Genetics, March 1989, pp. 1603-1607, Vol. 86, Proc. Natl. Acad. Sci., USA			
SS	AM	X. ZHANG ET AL., "Marked Increase in Cholecystokinin B Receptor Messenger RNA Levels in Rat Dorsal Root Ganglia After Peripheral Axotomy", Neuroscience, 1993, pp. 227-233, Vol. 57, No. 2, Pergamon Press Ltd., Great Britain			
SS	AN	ARMEN N. AKOPIAN ET AL., "A Tetrodotoxin -Resistant Voltage-Gated Sodium Channel Expressed by Sensory Neurons", Letters to Nature, January 18, 1996, pp. 257-262, Vol. 379			
Examiner Signature				Date Considered	4/8/05

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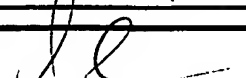
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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	† <sup>2</sup>		
SS	AO	DOMINIQUE BESSE ET AL., "Monoarthritis Induces Complex Changes in $\mu$ -, $\delta$ -, and $\kappa$ -Opioid Binding Sites in the Superficial Dorsal Horn of the Rat Spinal Cord", European Journal of Pharmacology, 1992, pp. 123-131, Vol. 223, Elsevier Science Publishers B.V.			
SS	AP	TERENCE J. CODERRE ET AL., "Contribution of Central Neuroplasticity to Pathological Pain: Review of Clinical and Experimental Evidence", Pain, 1993, pp. 259-285, 52, Elsevier Science Publishers B.V.			
SS	AQ	DAVID DUBUISSON ET AL., "The Formalin Test: A Quantitative of the Analgesic Effects of Morphine, Meperidine, and Brain Stem Stimulation in Rats and Cats", Pain, 1977, pp. 161-174, Vol. 4, Elsevier/North-Holland Biomedical Press			
SS	AR	TATSUO FURUKAWA ET AL., "Identification of New Genes Expressed in a Human Erythroleukemia Cell Line", Blood Cells, Molecules and Diseases, 1996, pp. 11-22, Vol. 22, No. 2, Blood Cells Foundation, LaJolla, California, USA			
SS	AS	BRIAN E. HAWES ET AL., "Nociceptin (ORL-1) and $\mu$ -Opioid Receptors Mediate Mitogen-Activated Protein Kinase Activation in CHO Cells Through a $G_i$ - Coupled Signaling Pathway: Evidence for Distinct Mechanisms of Agonist-Mediated Desensitization", Journal of Neurochemistry, 1998, pp. 1024-1033, Vol. 71, No. 3, Lippincott-Raven Publishers, Philadelphia, PA, USA			
SS	AT	M. HUBANK ET AL., "Identifying Differences in mRNA Expression by Representational Difference Analysis of cDNA", Nucleic Acids Research, 1994, pp. 5640-5648, Vol. 22, No. 25			
SS	AU	SVEN KLUSMANN ET AL., "Mirror-Image RNA that Binds D-Adenosine", Nature Biotechnology, September 1996, pp. 1112-1115, Vol. 14			
SS	AV	LING-YUAN LI ET AL., "The Stimulatory Effect of Opioids on Mitogen-Activated Proteins Kinase in Chinese Hamster Ovary Cells Transfected to Express $\mu$ -Opioid Receptors", Molecular Pharmacology, pp. 599-602, Vol. 50, The American Society of Pharmacology and Experimental Therapeutics			
Examiner Signature				Date Considered	6/18/05

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SS	AW	AXEL METHNER ET AL., "A Novel G Protein-Coupled Receptor with Homology to Neuropeptide and Chemoattractant Receptors Expressed During Bone Development", Biochemical and Biophysical Research Communications, 1997, pp. 336-342, Vol. 233, No. 2, Article No. RC976455, Academic Press	
SS	AX	K. NOGUCHI ET AL., "Gene Regulation in an Ascending Nociceptive Pathway: Inflammation-Induced Increase in Preprotachykinin mRNA in Rat Lamina I Spinal Projection Neurons", The Journal of Neuroscience, July 1992, pp. 2563-2572, Vol. 12, No. 7, Society for Neuroscience	
SS	AY	A. SOLODKIN ET AL., "Unilateral Hindpaw Inflammation Produces a Bilateral Increase in NADPH-Diaphorase Histochemical Staining in the Rat Lumbar Spinal Cord", Neuroscience, 1992, pp. 495-499, Vol. 51, No. 3, Pergamon Press Ltd., Great Britain	
SS	AZ	JACKSON S. WAN ET AL., "Cloning Differentially Expressed mRNA's", Nature Biotechnology, December 1996, pp. 1685-1691, Vol. 14	
SS	BA	M. ZIMMERMANN ET AL., "Plasticity of the Nervous System at the Systemic, Cellular and Molecular Levels: a Mechanism of Chronic Pain and Hyperalgesia", Progress in Brain Research, 1998, pp. 233-259, Vol. 110, Chapter 18, Elsevier Science B.V.	
SS	BB	HIROSHI BABA ET AL., "Peripheral Inflammation Facilitates A $\beta$ Fiber-Mediated Synaptic Input to the Substantia Gelatinosa of the Adult Rat Spinal Cord", The Journal of Neuroscience, January 15, 1999, pp. 859-867, Vol. 19., No. 2, Society for Neuroscience	
SS	BC	JAMES A. BONINI ET AL., "Molecular Cloning and Tissue Expression of a Novel Orphan G Protein-Coupled Receptor from Rat Lung", Biochemical and Biophysical Research Communications, 1997, pp. 190-193, Vol. 234, No. 1, Article No. RC976591, Academic Press	
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		6/6/03	

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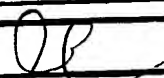
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SS	BD	ANTHONY DICKENSON, "Novel Pharmacological Targets in the Treatment of Pain", Pain Reviews, 1995, pp. 1-12, Vol. 2	
SS	BE	F. GILLADRON ET AL., "Long Term Increase in CGRP Levels in Rat Spinal Dorsal Horn Following Skin Ultraviolet Irradiation", 1992, pp. 493-496	
SS	BF	THOMAS HERDEGEN ET AL., "Expression of Nitric Oxide Synthase and Colocalisation with Jun, Fos and Krox Transcription Factors in Spinal Cord Neurons Following Noxious Stimulation of the Rat Hindpaw", Molecular Brain Research, 1994, pp. 245-258, Vol. 22, Elsevier Science B.V.	
SS	BG	STEPHEN P. HUNT ET AL., "Induction of c-fos- Like Protein in Spinal Cord Neurons Following Sensory Stimulation", Nature, August 1987, pp. 632-634, Vol. 328	
SS	BH	L. KUS ET AL., "N-Methyl-D-Aspartate R1 Messenger RNA and [ <sup>125</sup> ]MK-801 Binding Decrease in Rat Spinal Cord After Unilateral Hind Paw Inflammation", Neuroscience, 1995, pp. 159-165, Vol. 68, Elsevier Science Ltd., Great Britain	
SS	BI	PENG LIANG ET AL., "Differential Display of Eukaryotic Messenger RNA by Means of the Polymerase Chain Reaction", Science, August 14, 1992, pp. 967-971, Vol. 257	
SS	BJ	G.J. MICHAEL ET AL., "Nerve Growth Factor Treatment Increases Brain-Derived Neurotrophic Factor Selectivity in TrkA-Expressing Dorsal Root Ganglion Cells and in Their Central Terminations Within the Spinal Cord", The Journal of Neuroscience, November 1, 1997, pp. 8476-8490, Vol. 17, No. 21, Society for Neuroscience	
SS	BK	G.M.-C. POIRIER ET AL., "Screening Differentially Expressed cDNA Clones Obtained by Differential Display Using Amplified RNA", Nucleic Acids Research, 1997, pp. 913-914, Vol. 25, No. 4, Oxford University Press	
SS	BL	LAUREN SOMOPAYRAC ET AL., "Overcoming Limitations of the mRNA Differential Display Technique", Nucleic Acids Research, 1995, pp. 4738-4739, Vol. 23, No. 2, Oxford University Press	
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SS	BN	JOSEPH B. WATSON ET AL., "Differential cDNA Screening Strategies to Identify Novel Stage-Specific Proteins in the Developing Mammalian Brain", Dev. Neurosci., 1993, pp. 77-86, Vol. 15		
SS	BO	CLIFFORD J. WOOLF ET AL., "Peripheral Nerve Injury Triggers Central Spouting of Myelinated Afferents", Nature, January 2, 1992, pp. 75-78, Vol. 355		
SS	BP	YASUO AIHARA ET AL., "Molecular Cloning of a Novel Brain-Type Na <sup>+</sup> -Dependent Inorganic Phosphate Cotransporter", Journal of Neurochemistry, 2000, pp. 2622-2625, Vol. 74, No. 6, Lippincott Williams & Wilkins Inc., Philadelphia, PA, USA		
SS	BQ	P.G. GUNASEKAR ET AL., "NMDA Receptor Activation Produces Concurrent Generation of Nitric Oxide and Reactive Oxygen Species: Implication for Cell Death", Journal of Neurochemistry, 1995, pp. 2016-2021, Vol. 65, No. 5, Lippincott-Raven Publishers, Philadelphia, PA, USA		
SS	BR	JOHN D. LEVINE ET AL., "Intraneuronal Substance P Contributes to the Severity of Experimental Arthritis", Science, November 2, 1984, pp. 547-549		
SS	BS	YUN FENG ET AL., "Cloning of a Novel Member of the G Protein-Coupled Receptor Family Related to Peptide Receptors <sup>1</sup> ", Biochemical and Biophysical Research Communications, 1997, pp. 651-654, Vol. 231, No. 3, Article No. RC976161, Academic Press		
SS	BT	OSAMU URAYAMA ET AL., "Coincident Induction of K <sup>rev</sup> -1/rap 1A, rap 1B and H-ras mRNAs in the Rat Spinal Cord by Noxious Stimulation <sup>1,2</sup> ", Molecular Brain Research, 1997, pp. 331-334, Vol. 45, Elsevier Science B.V.		
SS	BU	T.R. TÖLLE ET AL., Cellular and Subcellular Distribution of NMDAR1 Splice Variant mRNA in Rat Lumbar Spinal Cord Neurons, 1982, p. S135		

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete If Known</b>	
				Application Number	10/734,731
				Filing Date	December 15, 2003
				First Named Inventor	Eberhard Weihe
				Art Unit	1647
				Examiner Name	C. J. Nichols
Sheet	7	of	7	Attorney Docket Number	029310.52995US

[illegible]

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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